

LAND APPLICATION SITE

EDWARD M WINN SITE

DWEMW 1-6

DINWIDDIE COUNTY

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 10-11-14 between Edward Winn referred to here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Dinwiddie, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

| Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges | | | |
|--|---------------|---------------|---------------|
| Tax Parcel ID | Tax Parcel ID | Tax Parcel ID | Tax Parcel ID |
| 58-52A | 58-45D | | |
| 58-51 | 58-45B | | |
| 58-51A | 58-45C | | |
| 58-45 | | | |
| 58-45A | | | |

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

| | | | |
|---|---|---|---|
| <u>Class B biosolids</u> | <u>Water treatment residuals</u> | <u>Food processing waste</u> | <u>Other industrial sludges</u> |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Edward M. Winn
Landowner - Printed Name, Title

Edward M. Winn
Signature

244 WINN AVE
RICH SQUARE NC 27869
Mailing Address & Phone Number

252-534-1522

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Shirley
Permittee - Authorized Representative
Printed Name

Shirley
Signature

PO Box 562 Remington, Virginia 22734
Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc

County or City: Dinwiddie

Landowner: Edward M. Winn

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.


I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

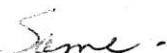
1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).


Landowner's Signature

10-11-14
Date



Farm Operator Signature


Mailing Address & Phone Number

Landowner Coordination Form

[illegible]

FARM DATA SHEET

| | | | |
|---------------------------|---|------------------------------|--|
| SITE NAME: | Edward M. Winn | COUNTY: | Dinwiddie |
| OWNER: | Edward M. Winn | OPERATOR: | Edward M. Winn |
| OWNER'S ADDRESS: | 244 Winnaway Lane Rich Square, NC 27869 | OPERATOR'S ADDRESS: | 244 Winnaway Lane Rich Square, NC 27869 |
| OWNER'S TELEPHONE: | 1-252-578-9477 | OPERATOR'S TELEPHONE: | 1-252-578-9477 |
| GENERAL FARM TYPE: | Hay/ Pasture | CELL PHONE: | - |
| # CATTLE: | 40 | EMAIL: | - |
| LAGOON or SLURRY: | None | LATITUDE: | 37.060 |
| TOPO QUAD: | Dinwiddie | LONGITUDE: | -77.555 |
| COMMENTS: | METHOD OF DETERMINATION: Online Maps | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

BB 
12-16-19

RECYC SYSTEMS, INC

FIELD DATA SHEET

| Field Identification | DEQ Control ID | Gross Acres | Environmentally Sensitive Soils | | | | Hydro Map | Tax Map # | FSA Tract # |
|-------------------------|-------------------|----------------|---------------------------------|----------------------|----------------|------------|--------------|-----------------|-------------------|
| | | | Water Table | Bed Rock/ Shallow | Surf/ Leach | Freq Flood | | | |
| DWEMW 1 | 51053-00088-0000 | 22.9 | - | - | - | - | CU 22 | 58-51 58-45 | T 2081 F 1, 4 |
| DWEMW 2 | 51053-00089-0000 | 21.2 | - | - | - | - | CU 22 | 58-51 58-45 | T 2081 F 2 |
| DWEMW 3 | 51053-00090-0000 | 12.5 | - | - | - | - | CU 22 | 58-45 | T 2081 F 6, 7 |
| DWEMW 4 | 51053-00091-0000 | 11.9 | - | - | - | - | CU 22 | 58-45 | T 2081 F 8 |
| DWEMW 5 | 51053-00092-0000 | 19.9 | - | - | - | - | CU 22 | 58-45 58-45A | T 2081 F 4, 5 |
| DWEMW 6 | 51053-00093-0000 | 17.4 | - | - | - | - | CU 22 | 58-45 58-45A | T 2081 F 9, 10 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| TOTAL ACRES IN SITE | | 105.8 | | | | | | | |

12-16-19

Report Number: 18-176-0675

Account Number: 70594



"Every acre...Every year."™

7621 Whitepine Road, Richmond, VA 23237

Main 804-743-9401 ° Fax 804-271-6446

www.waypointanalytical.com

Send To: Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

Grower: Edward M Winn
Dinwiddie

SOIL ANALYSIS REPORT

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 06/25/2018

Date Of Analysis: 06/26/2018

Date Of Report: 06/26/2018

| Sample ID Field ID | Lab Number | OM | W/V | ENR | Phosphorus | | | Potassium | Magnesium | Calcium | Sodium | pH | | Acidity | C.E.C |
|-----------------------|---------------|-----------|---------------|-------|----------------|-----|------|---------------|----------------|----------------|----------------|------------|-----------------|---------------|----------|
| | | % Rate | Soil Class | lbs/A | M3 ppm Rate | ppm | Rate | K ppm Rate | Mg ppm Rate | Ca ppm Rate | Na ppm Rate | Soil pH | Buffer Index | H meq/100g | meq/100g |
| DWEMW-1 | 10814 | 2.8 M | | 98 | 22 L | | | 45 VL | 134 H | 698 M | | 6.3 | 6.87 | 0.6 | 5.3 |
| DWEMW-2 | 10815 | 2.2 L | | 87 | 24 L | | | 26 VL | 66 M | 857 H | | 6.7 | 6.91 | 0.2 | 5.1 |
| DWEMW-3 | 10816 | 2.4 L | | 93 | 85 H | | | 111 H | 66 H | 458 M | | 6.6 | 6.91 | 0.2 | 3.3 |
| DWEMW-4 | 10817 | 1.0 L | | 66 | 73 H | | | 25 VL | 20 VL | 529 VH | | 7.0 | | 0.0 | 2.9 |
| DWEMW-5 | 10818 | 1.6 L | | 78 | 79 H | | | 23 VL | 19 VL | 402 H | | 5.9 | 6.88 | 0.5 | 2.7 |

| Sample ID Field ID | Percent Base Saturation | | | | | Nitrate | Sulfur | Zinc | Manganese | Iron | Copper | Boron | Soluble Salts | | |
|-----------------------|-------------------------|---------|---------|---------|--------|-------------------------------|---------------|----------------|----------------|----------------|----------------|---------------|------------------|--|--|
| | K % | Mg % | Ca % | Na % | H % | NO ₃ N ppm Rate | S ppm Rate | Zn ppm Rate | Mn ppm Rate | Fe ppm Rate | Cu ppm Rate | B ppm Rate | SS ms/cm Rate | | |
| DWEMW-1 | 2.2 | 21.1 | 65.8 | | 11.3 | | | 2.2 L | 30 H | | | | | | |
| DWEMW-2 | 1.3 | 10.8 | 84.0 | | 3.9 | | | 2.8 M | 39 H | | | | | | |
| DWEMW-3 | 8.6 | 16.7 | 69.4 | | 6.1 | | | 2.8 M | 34 H | | | | | | |
| DWEMW-4 | 2.2 | 5.7 | 91.2 | | 0.0 | | | 1.7 L | 20 M | | | | | | |
| DWEMW-5 | 2.2 | 5.9 | 74.4 | | 18.5 | | | 2.8 M | 39 H | | | | | | |

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 18-176-0675

Account Number: 70594

*"Every acre...Every year."*

7621 Whitepine Road, Richmond, VA 23237

Main 804-743-9401 • Fax 804-271-6446

www.waypointanalytical.com

Send To: Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpeper VA 22701

Grower: Edward M Winn
Dinwiddie

Date Received: 06/25/2018

Date Of Report: 06/26/2018

SOIL FERTILITY RECOMMENDATIONS

| Sample ID Field ID | Intended Crop | Yield Goal | Lime Tons/A | Nitrogen N lb/A | Phosphate P ₂ O ₅ lb/A | Potash K ₂ O lb/A | Magnesium Mg lb/A | Sulfur S lb/A | Zinc Zn lb/A | Manganese Mn lb/A | Iron Fe lb/A | Copper Cu lb/A | Boron B lb/A |
|-----------------------|------------------|------------|----------------|-----------------------|--|------------------------------------|-------------------------|---------------------|--------------------|-------------------------|--------------------|----------------------|--------------------|
| DWEMW-1 | Adjust pH to 6.8 | 0 | 1.0 | | | | 0 | | | 0 | | | |
| DWEMW-2 | Adjust pH to 6.8 | 0 | 1.0 | | | | 0 | | | 0 | | | |
| DWEMW-3 | Adjust pH to 6.8 | 0 | 1.0 | | | | 0 | | | 0 | | | |
| DWEMW-4 | Adjust pH to 6.8 | 0 | 0.0 | | | | 25 | | | 2 | | | |
| DWEMW-5 | Adjust pH to 6.8 | 0 | 1.5 | | | | 25 | | | 0 | | | |

Comments:**Sample(s) : DWEMW-2,DWEMW-5 Crop: Adjust pH to 6.8**

Apply dolomitic lime to raise pH and improve the magnesium level.

Sample(s) : DWEMW-4 Crop: Adjust pH to 6.8

Apply required magnesium with magnesium oxide, Epsom Salts, K-Mag or Sul-PO-Mag.

Sample(s) : DWEMW-5 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paucic McGeary

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SOIL ANALYSIS REPORT

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 06/25/2018

Date Of Analysis: 06/26/2018

Date Of Report: 06/26/2018

| Sample ID Field ID | Lab Number | OM | W/V | ENR | Phosphorus | | | Potassium | Magnesium | Calcium | Sodium | pH | | Acidity | C.E.C |
|-----------------------|---------------|-----------|---------------|-------|----------------|----------|----------|---------------|----------------|----------------|----------------|------------|-----------------|---------------|----------|
| | | % Rate | Soil Class | lbs/A | M3 ppm Rate | ppm Rate | ppm Rate | K ppm Rate | Mg ppm Rate | Ca ppm Rate | Na ppm Rate | Soil pH | Buffer Index | H meq/100g | meq/100g |
| DWEMW-6 | 10820 | 1.4 L | | 73 | 144 VH | | | 18 VL | 33 L | 553 VH | | 6.7 | 6.92 | 0.1 | 3.2 |

| Sample ID Field ID | Percent Base Saturation | | | | | Nitrate | Sulfur | Zinc | Manganese | Iron | Copper | Boron | Soluble Salts | | |
|-----------------------|-------------------------|---------|---------|---------|--------|-------------------------------|---------------|----------------|----------------|----------------|----------------|---------------|------------------|--|--|
| | K % | Mg % | Ca % | Na % | H % | NO ₃ N ppm Rate | S ppm Rate | Zn ppm Rate | Mn ppm Rate | Fe ppm Rate | Cu ppm Rate | B ppm Rate | SS ms/cm Rate | | |
| DWEMW-6 | 1.4 | 8.6 | 86.4 | | 3.1 | | | 2.7 M | 50 H | | | | | | |

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*

Paucic McGroary

Date Received: 06/25/2018

Date Of Report: 06/26/2018

SOIL FERTILITY RECOMMENDATIONS

| Sample ID Field ID | Intended Crop | Yield Goal | Lime Tons/A | Nitrogen N lb/A | Phosphate P ₂ O ₅ lb/A | Potash K ₂ O lb/A | Magnesium Mg lb/A | Sulfur S lb/A | Zinc Zn lb/A | Manganese Mn lb/A | Iron Fe lb/A | Copper Cu lb/A | Boron B lb/A |
|-----------------------|------------------|------------|----------------|-----------------------|--|------------------------------------|-------------------------|---------------------|--------------------|-------------------------|--------------------|----------------------|--------------------|
| DWEMW-6 | Adjust pH to 6.8 | 0 | 1.0 | | | | 18 | | | 0 | | | |

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet
(Spring, 2020-Summer, 2022)
Edward M. Winn
Planner: John Doe

Tract: 2081

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

| Field CFSA No. /Name | Size (ac) Total/ Used | Yr. | Crop | Needs N-P-K (lbs/ac) | Leg /Man Resid | Manure/Biosld Rate & Type (season) | IT (d) | Man/Bios N-P-K (lbs/ac) | Net = Needs - applied N-P-K (lbs/ac) | Sum P rem cred | Commercial N-P-K (lbs/ac) | Notes | |
|----------------------------|--------------------------------|------|---------------|----------------------------|----------------------|--|-----------|-------------------------------|--|-------------------------|---------------------------------|-------|--|
| 1, 4/DWEMW 1(N) | 23/23 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 2/DWEMW 2(N) | 21/21 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 6, 7/DWEMW 3(N) | 13/13 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 8/DWEMW 4(N) | 12/12 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 4, 5/DWEMW 5(N) | 20/20 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 9, 10/DWEMW 6(N) | 17/17 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

| Tract | Field | Acre | Date | P2O5 | K2O | Lab | Soil pH | Lime Date | rec. lime tons/Ac |
|-------|---------|------|--------------|------|-----|-----|------------|--------------|----------------------|
| 2081 | DWEMW 1 | 23 | [No Test] | | | | | | |
| 2081 | DWEMW 2 | 21 | [No Test] | | | | | | |
| 2081 | DWEMW 3 | 13 | [No Test] | | | | | | |
| 2081 | DWEMW 4 | 12 | [No Test] | | | | | | |
| 2081 | DWEMW 5 | 20 | [No Test] | | | | | | |
| 2081 | DWEMW 6 | 17 | [No Test] | | | | | | |

Field Productivities for Major Crops

| Tract Name | Tract/ Field | Field Name | Acres | Predominant Soil Series | Corn | Small Grain | Alfalfa | Grass Hay | Environmental Warnings |
|------------|-----------------|------------|-------|----------------------------|------|----------------|---------|--------------|------------------------|
| 2081 | 2081/1, 4 | DWEMW 1 | 23 | Appling | IVa | II | III | III | |
| | 2081/2 | DWEMW 2 | 21 | Appling | IVa | II | III | III | |
| | 2081/6, 7 | DWEMW 3 | 13 | Appling | IVa | II | III | III | |
| | 2081/8 | DWEMW 4 | 12 | Appling | IVa | II | III | III | |
| | 2081/4, 5 | DWEMW 5 | 20 | Appling | IVa | II | III | III | |
| | 2081/9, 10 | DWEMW 6 | 17 | Appling | IVa | II | III | III | |

Yield Range

| Field Productivity Group | Corn Grain Bu/Acre | Barley/Intensive Wheat Bu/Acre | Std. Wheat Bu/Acre | Alfalfa Tons/Acre | Grass/Hay Tons/Acre |
|--------------------------------|-----------------------|-----------------------------------|-----------------------|----------------------|------------------------|
| I | >170 | >80 | >64 | >6 | >4.0 |
| II | 150-170 | 70-80 | 56-64 | 4-6 | 3.5-4.0 |
| III | 130-150 | 60-70 | 48-56 | <4 | 3.0-3.5 |
| IV | 100-130 | 50-60 | 40-48 | NA | <3.0 |
| V | <100 | <50 | <40 | NA | NA |

Farm Summary Report

Plan: New Plan Spring, 2020 - Summer, 2022

Farm Name: Edward M. Winn

Location: Dinwiddie

Specialist: John Doe

N-based Acres: 105.8

P-based Acres: 0.0

Tract Name: 2081

FSA Number: 2081

Location: Dinwiddie

Field Name: DWEMW 1

Total Acres: 22.90 Usable Acres: 22.90

FSA Number: 1, 4

Tract: 2081

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

| DATE | PH | P | K | Lab |
|-----------|----|---|---|-----|
| [NO TEST] | | | | |

Soils:

| PERCENT | SYMBOL | SOIL SERIES |
|---------|--------|-------------|
|---------|--------|-------------|

| | | |
|----|----|---------|
| 59 | 2B | Appling |
| 4 | 2C | Appling |
| 37 | 4B | Cecil |

Field Warnings:

Field Name: DWEMW 2

Total Acres: 21.20 Usable Acres: 21.20
 FSA Number: 2
 Tract: 2081
 Location: Dinwiddie
 Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
 Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

| | | | | |
|------|-----------|---|---|-----|
| DATE | PH | P | K | Lab |
| | [NO TEST] | | | |

Soils:

| PERCENT | SYMBOL | SOIL SERIES |
|---------|--------|-------------|
| 22 | 4B | Cecil |
| 7 | 2C | Appling |
| 71 | 2B | Appling |

Field Warnings:

Field Name: DWEMW 3

Total Acres: 12.50 Usable Acres: 12.50
 FSA Number: 6, 7

Tract: 2081
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

| DATE | PH | P | K | Lab |
|------|-----------|---|---|-----|
| | [NO TEST] | | | |

Soils:

| PERCENT | SYMBOL | SOIL SERIES |
|---------|--------|-------------|
| 75 | 2B | Appling |
| 14 | 2C | Appling |
| 11 | 4B | Cecil |

Field Warnings:

Field Name: DWEMW 4

Total Acres: 11.90 Usable Acres: 11.90

FSA Number: 8

Tract: 2081

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

| | | | | |
|------|-----------|---|---|-----|
| DATE | PH | P | K | Lab |
| | [NO TEST] | | | |

Soils:

| PERCENT | SYMBOL | SOIL SERIES |
|---------|--------|-------------|
| 88 | 2B | Appling |
| 12 | 2C | Appling |

Field Warnings:

Field Name: DWEMW 5

Total Acres: 19.90 Usable Acres: 19.90

FSA Number: 4, 5

Tract: 2081

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

| | | | | |
|------|-----------|---|---|-----|
| DATE | PH | P | K | Lab |
| | [NO TEST] | | | |

Soils:

| PERCENT | SYMBOL | SOIL SERIES |
|---------|--------|-------------|
| 78 | 2B | Appling |
| 4 | 2C | Appling |
| 18 | 4B | Cecil |

Field Warnings:**Field Name: DWEMW 6**

Total Acres: 17.40 Usable Acres: 17.40

FSA Number: 9, 10

Tract: 2081

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

| DATE | PH | P | K | Lab |
|------|-----------|---|---|-----|
| | [NO TEST] | | | |

Soils:

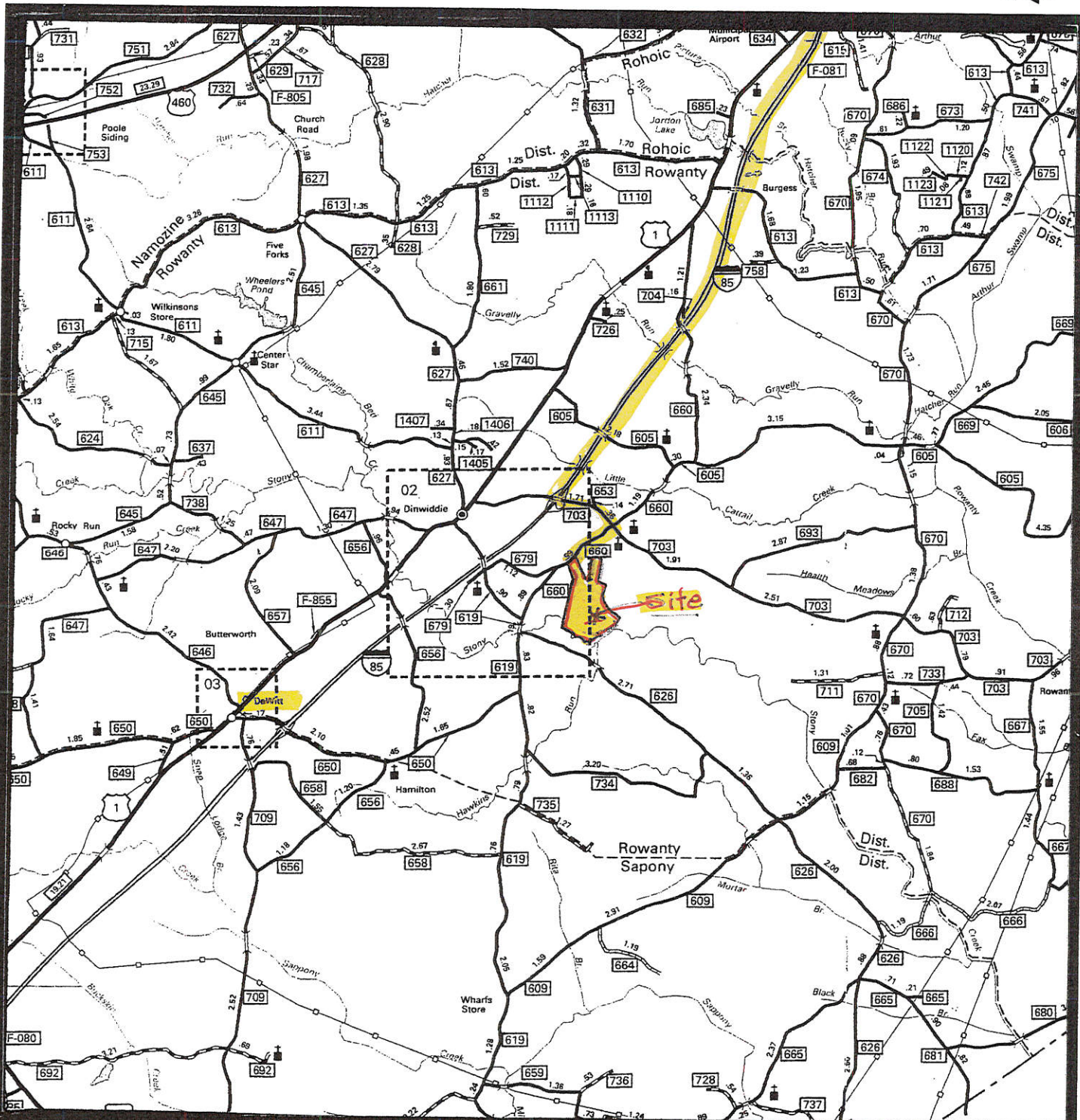
| PERCENT | SYMBOL | SOIL SERIES |
|---------|--------|-------------|
| 94 | 2B | Appling |
| 4 | 2C | Appling |
| 2 | 2D | Appling |

Field Warnings:

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 miles

DWEMW 1-6

12-16-19

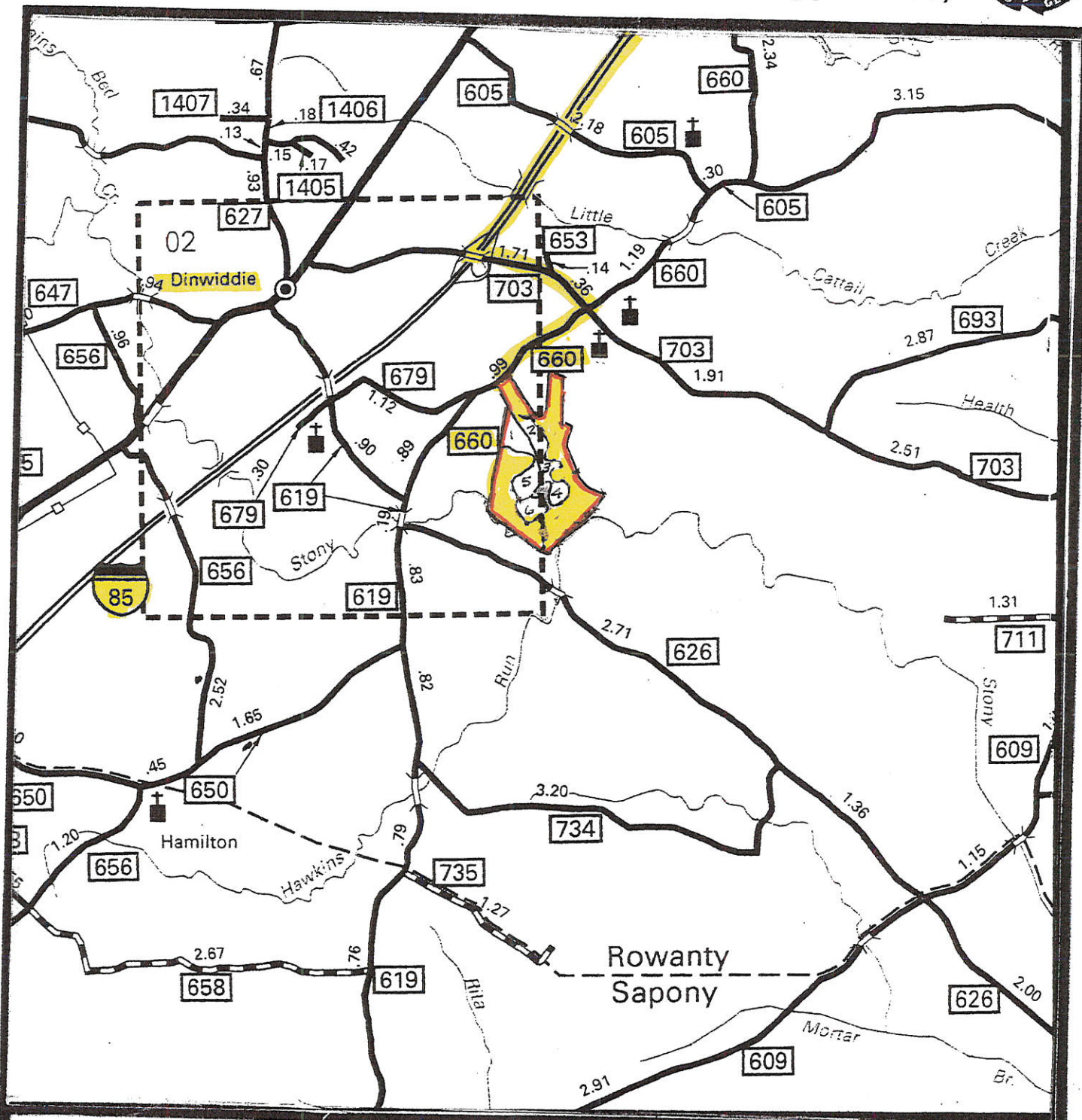
VICINITY MAP

Truck Route marked
in Yellow



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 1 mile

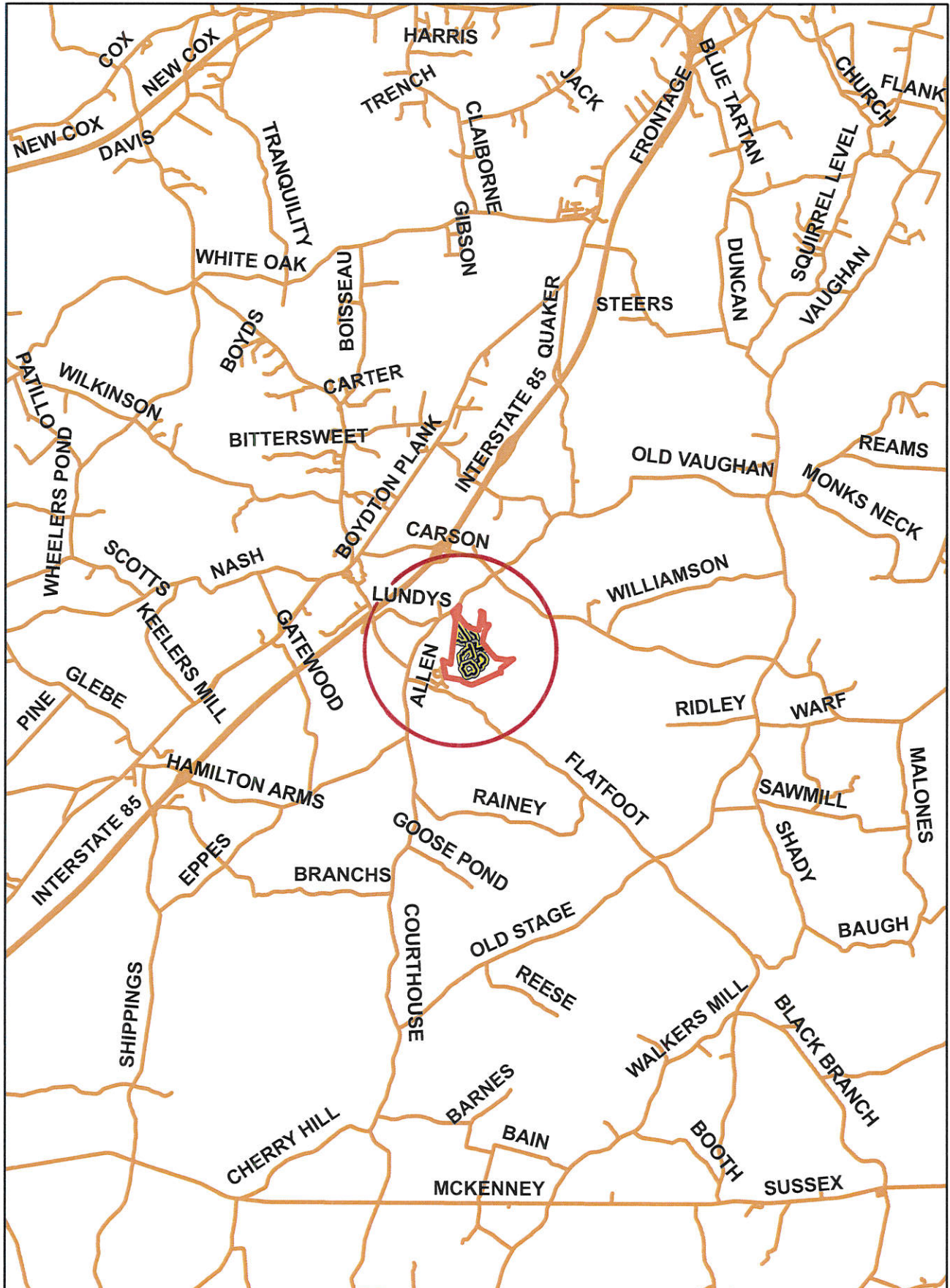
DWEMW 1-6

12-16-19

Truck Route marked
in Yellow

VICINITY MAP

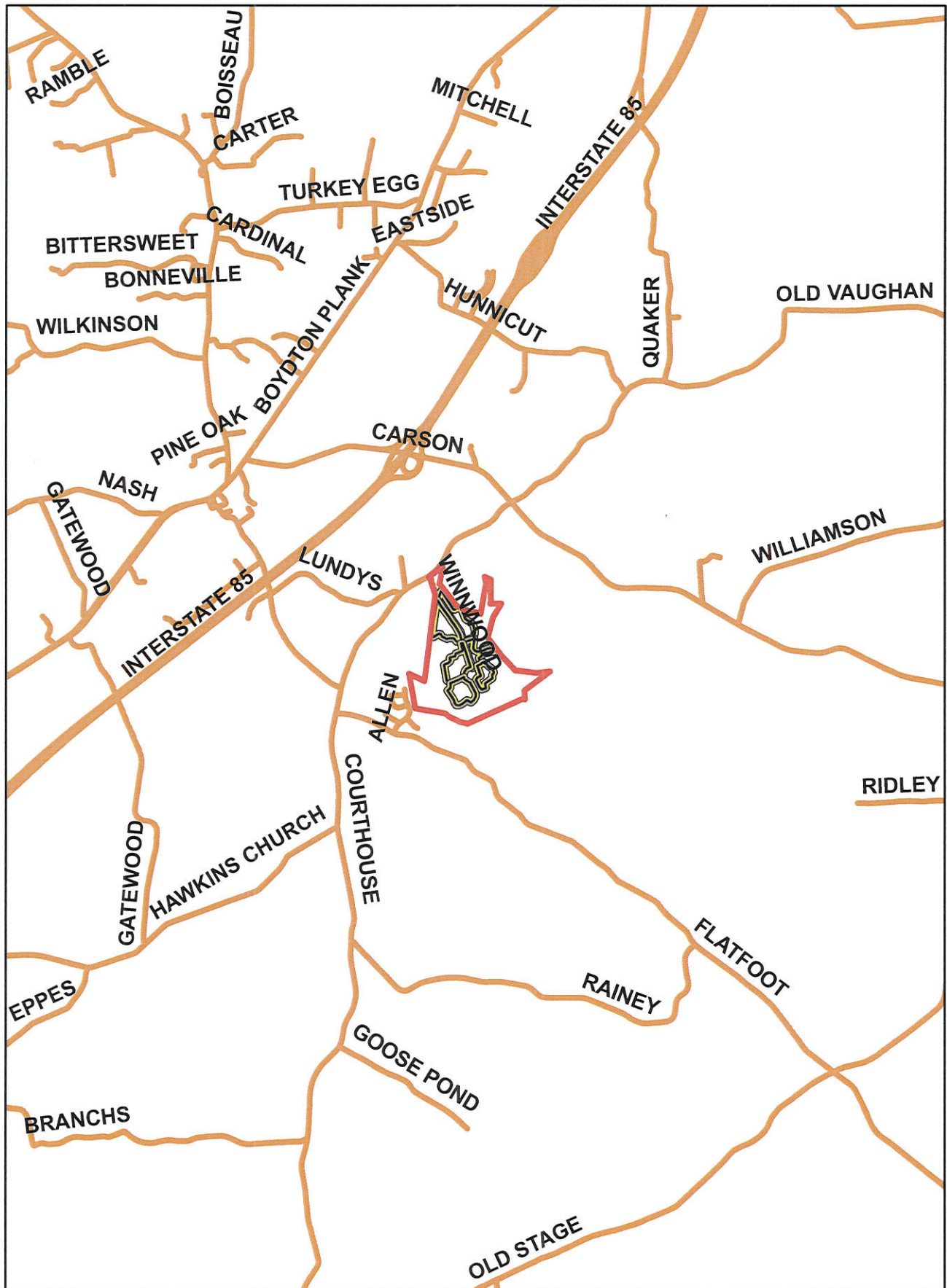




12-16-19

Vicinity Map

1 in = 2 miles



12-16-19

Vicinity Map

1 in = 1 miles





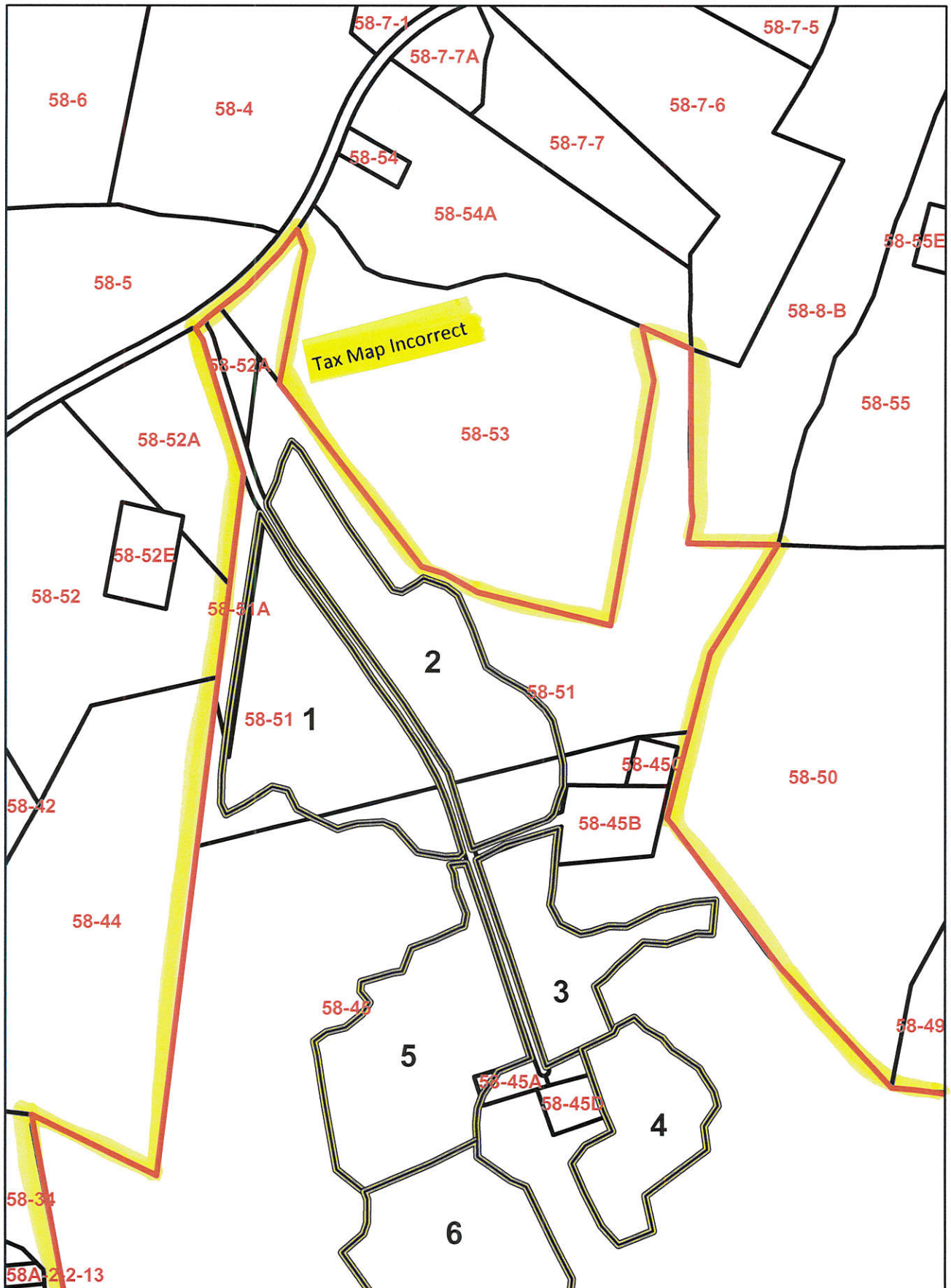
DWEMW



Tax Map

1 in = 1,042 feet



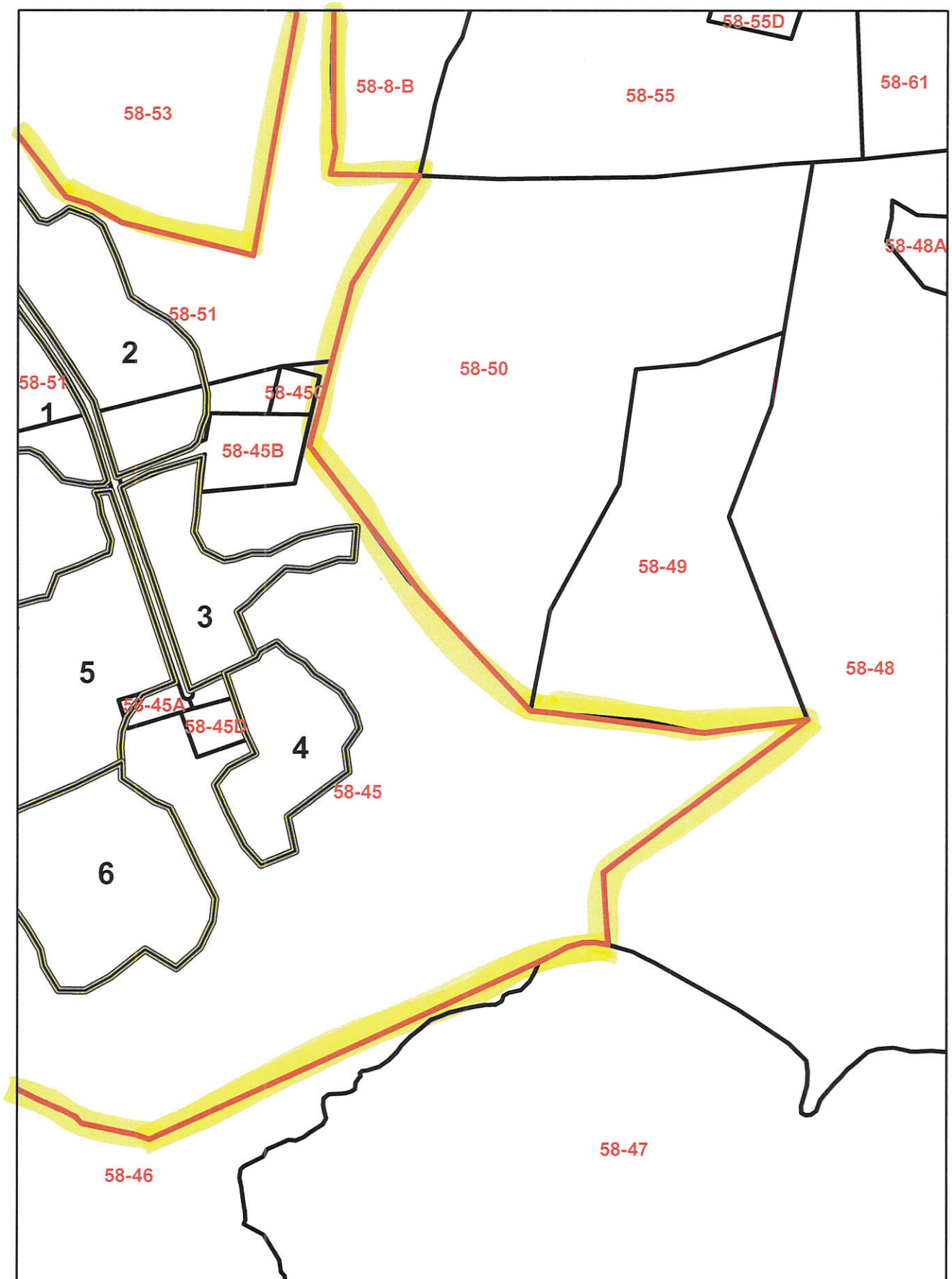


12-16-19

Tax Map

1 in = 660 feet





12-16-19

Tax Map

1 in = 660 feet





DWEMW



Tax Map

1 in = 660 feet



(Biosolids Land Application)



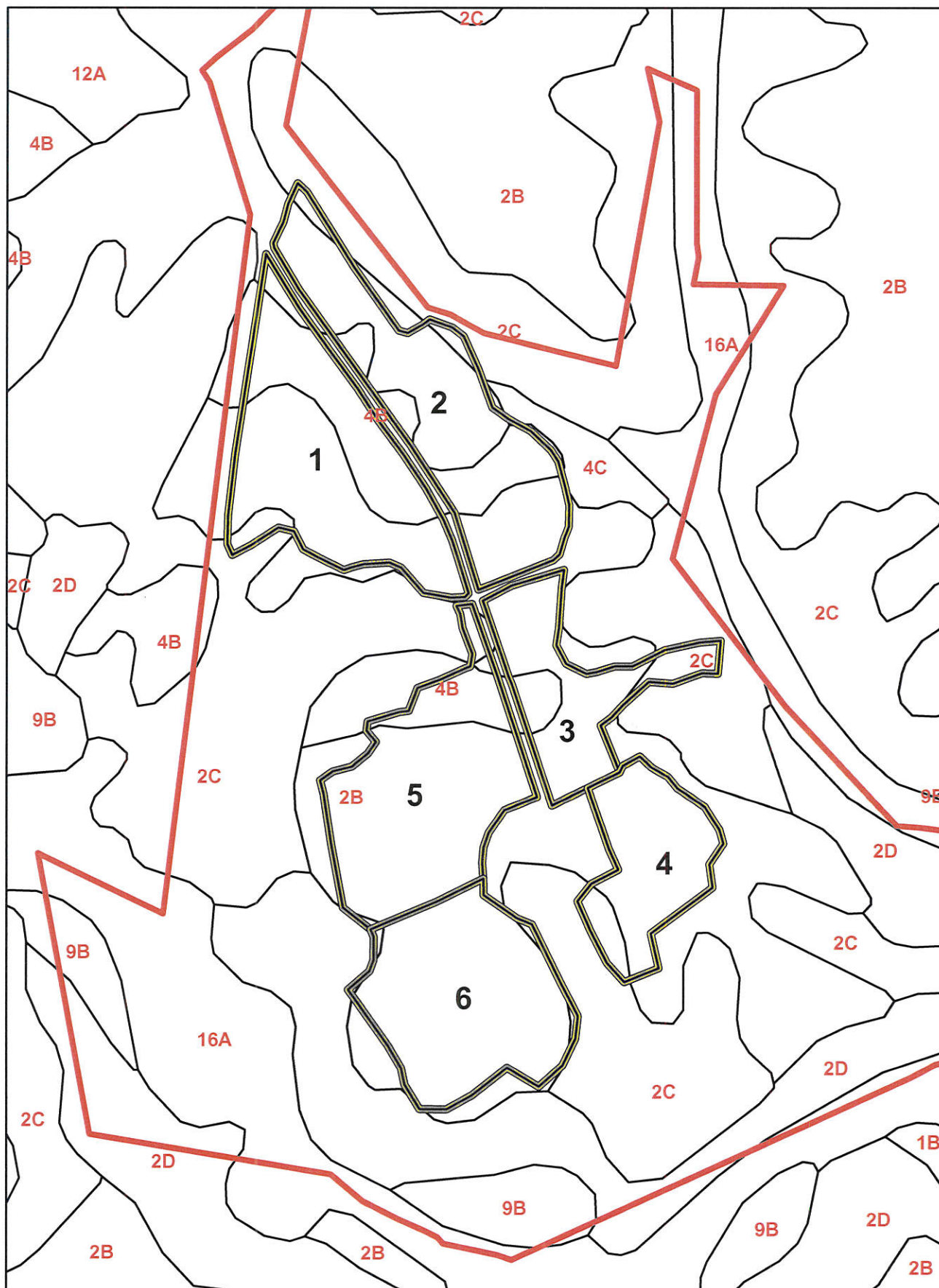
Scale: Not to scale

DWEMW

12-16-19

TAX MAP





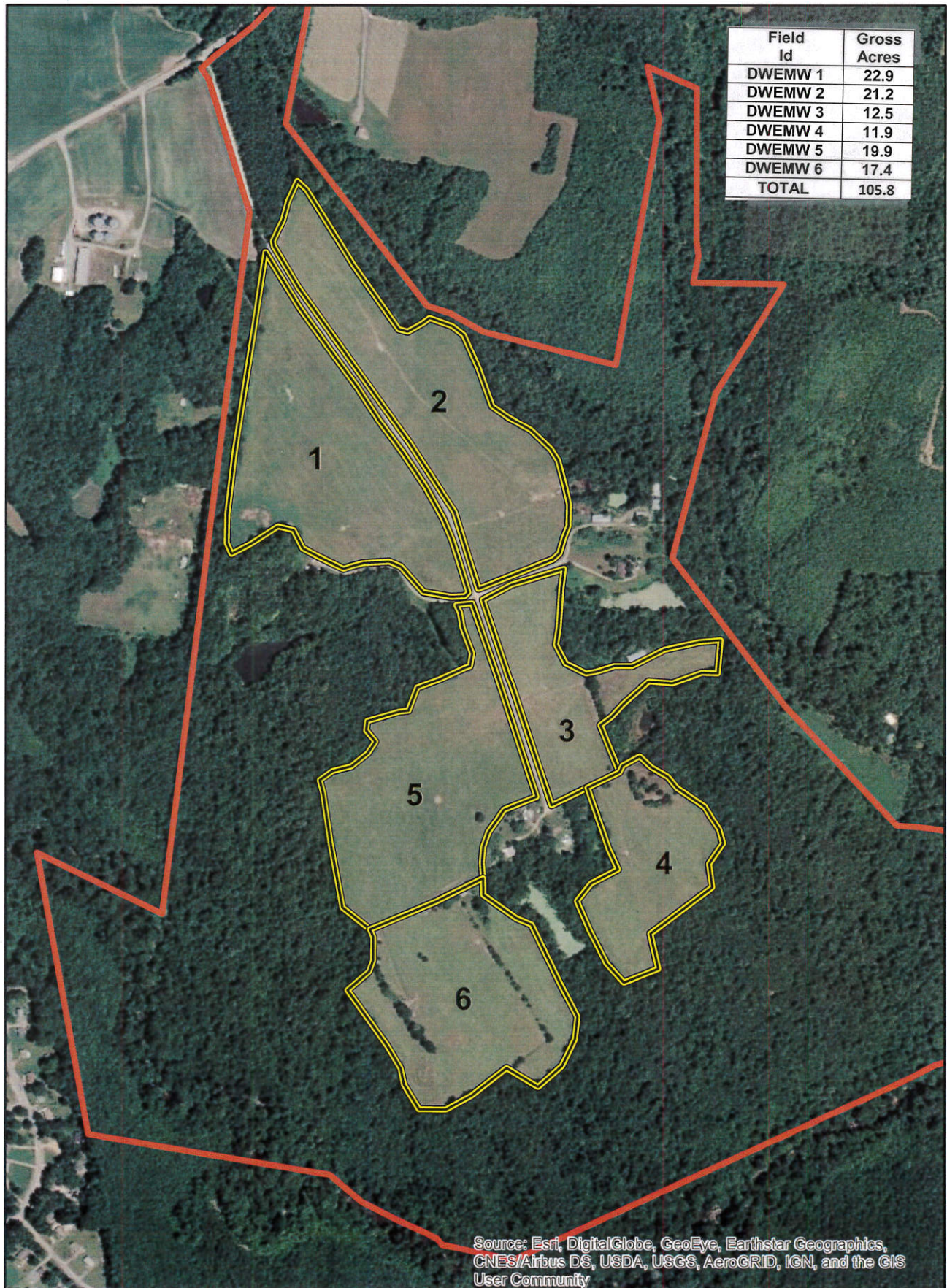
12-16-19

Soil Map

1 in = 660 feet



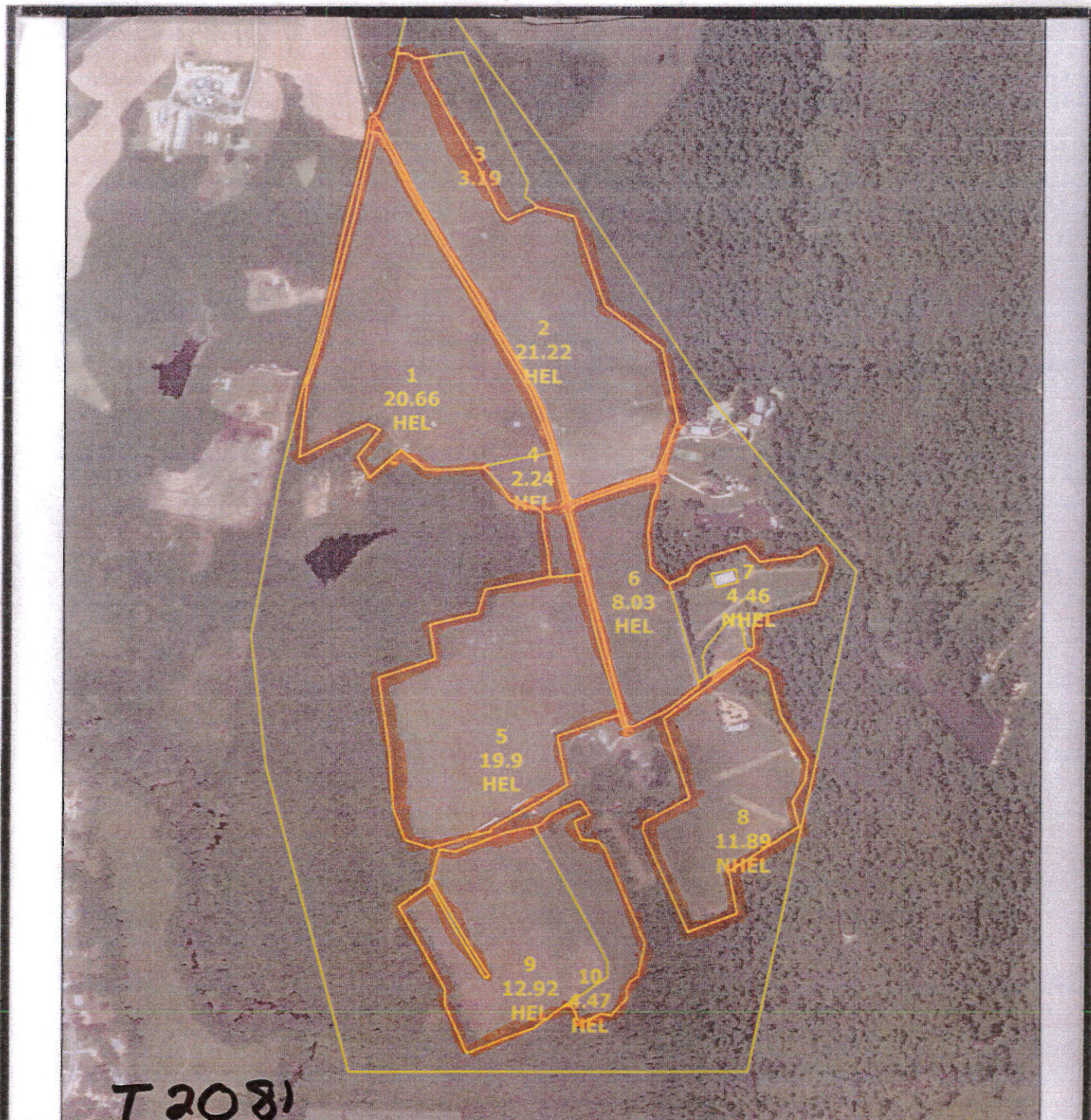
Frequently
Flooded



12-16-19

Aerial Map

1 in = 660 feet



Scale: 1 inch = 660 feet





DWEMW 1-6

12-16-19

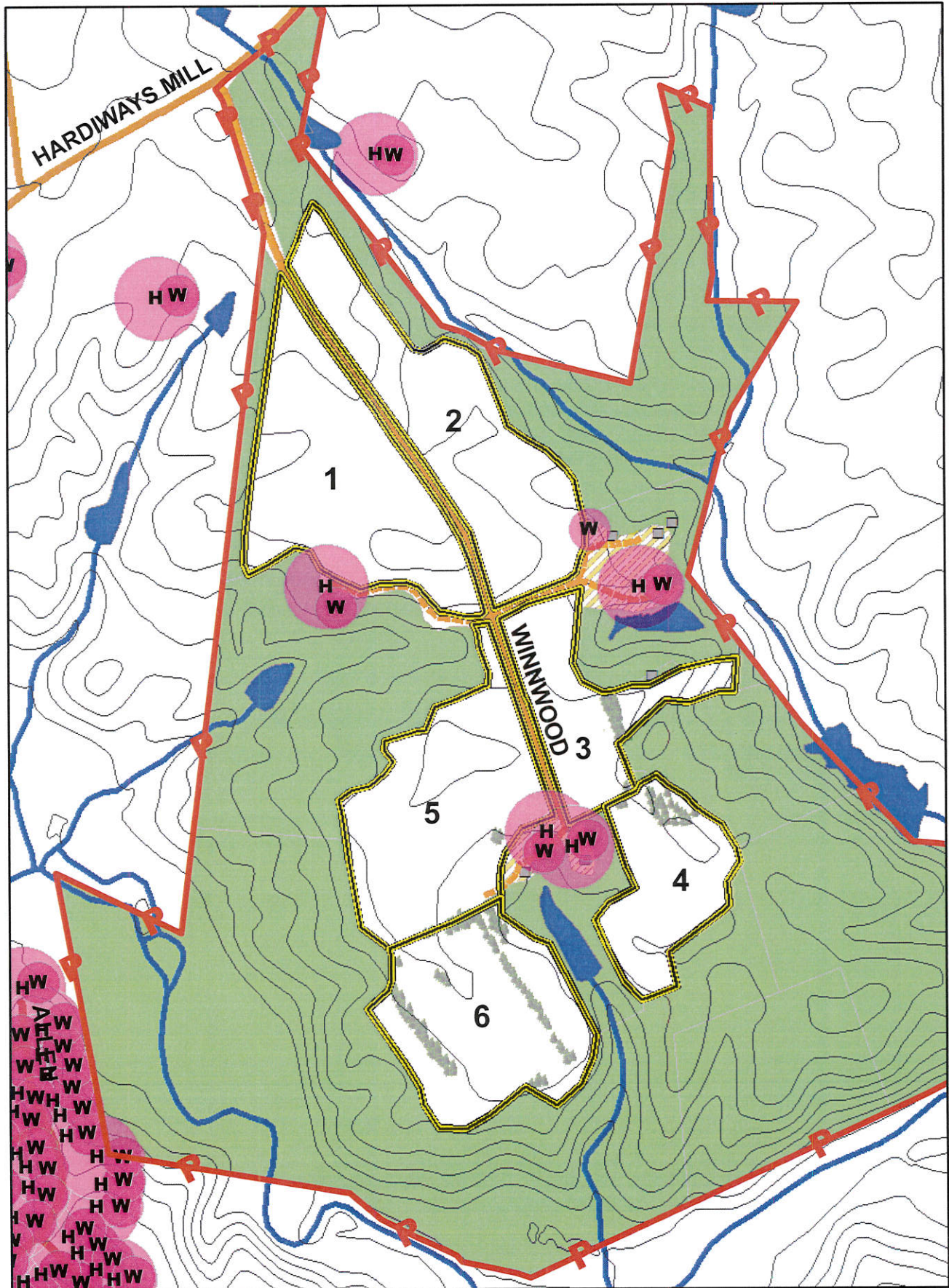
AERIAL MAP



Legend For Site Plan

| Symbol | Feature | Minimum Setback |
|---|--------------------------|--|
|  | House and Well | 200 feet from occupied dwelling * 100 feet from water supply wells or springs |
|   | Well or Spring | 100 feet from water supply wells or springs |
|  | Streams or Surface Water | 35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer |
|  | Wet Spot | |
|  | Trees and Woods | |
|  | Private Drive | |
|  | Rock Area/Rock Outcrop | 25 feet from rock outcrops 50 feet from limestone rock outcrops |
|  | Severely Eroded Spot | 18 Inch minimum depth of soil |
|    | Sink Hole | 100 feet from open sinkholes 50 feet from closed sinkholes |
|  | State Road | 10 feet from side of roadway |
|  | Fence / Field Boundary | |
|  | Property Line | 100 feet from property line * |
|   | Slope | 15% maximum |
|  | Hashed out Area | No application |

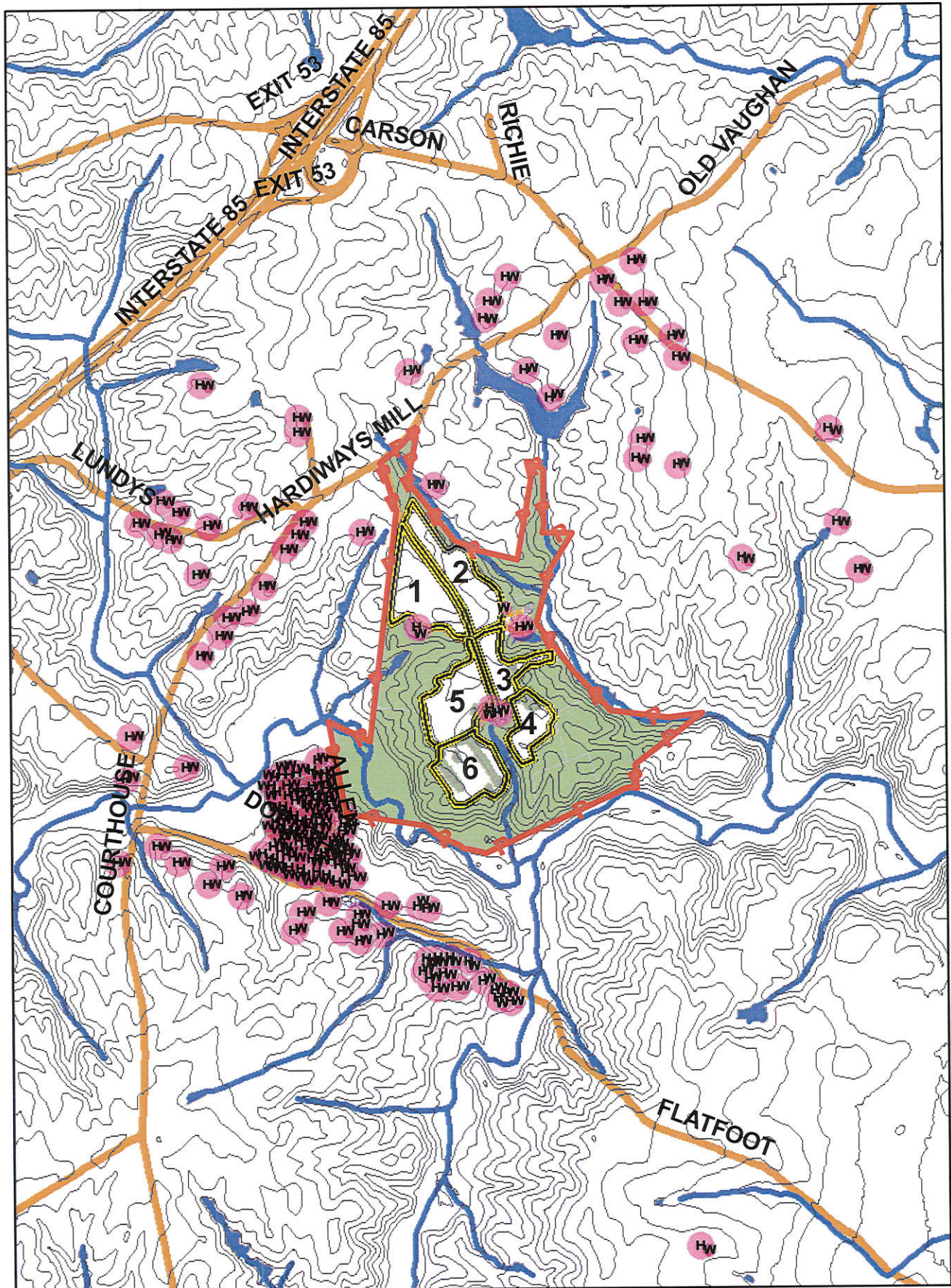
*Buffer can be reduced or waived upon written consent from landowner.



12-16-19

Site Map

1 in = 660 feet



12-16-19

Topographic Map

1 in = 2,000 feet